

## Product datasheet

### Recombinant Human CINP protein ab109973

1 Image

#### Description

<b>Product name</b>	Recombinant Human CINP protein
<b>Purity</b>	> 95 % SDS-PAGE. ab109973 was purified using conventional chromatography.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>Q9BW66</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHHSSGLVPRGSH</b> MEAKTLGTVTPRKPVLSV SARKIKDNAADW HNLILKWETLNDAGFTTANNIANLKISLLNKDKIELDSSSPA SKENEEKV CLEYNEELEKLCEELQATLDGLTKIQVKMEKLSSTTKGICE LENYHYGEE SKRPPLFHTWPTTHFYEVSHKLLEMYRKELLLKRTVAKEL AHTGDPDLTL SYLSMWLHQPYVESDSRLHLESMLLETGHRAL
<b>Predicted molecular weight</b>	26 kDa including tags
<b>Amino acids</b>	1 to 212
<b>Tags</b>	His tag N-Terminus

#### Specifications

Our **Abpromise guarantee** covers the use of **ab109973** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.058% Sodium chloride

## General Info

### Function

Interacts with the components of the replication complex and 2 kinases, CDK2 and CDC7, thereby providing a functional and physical link between CDK2 and CDC7 during firing of the origins of replication. Regulates ATR-mediated checkpoint signaling.

### Sequence similarities

Belongs to the CINP family.

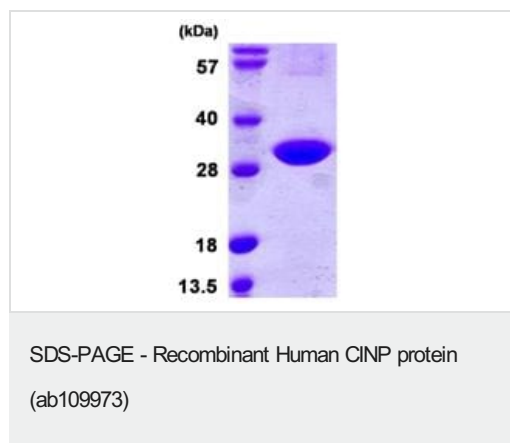
### Post-translational modifications

Phosphorylated by CDC7 but not by CDK2.

### Cellular localization

Nucleus. Binds to nuclear under G1 conditions, and dissociates from chromatin with the start of DNA replication.

## Images



15% SDS-PAGE analysis of 3 µg ab109973.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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